



AIR QUALITY MANAGEMENT DISTRICT
330 Fair Lane, Placerville, CA 95667
Phone: (530) 621-7501 Fax: (530) 295-2774
<http://www.edcgov.us/AirQualityManagement>

AUTHORITY TO CONSTRUCT #08-167

Revocable and Non-Transferable
Valid from 6-1-2016 until 5-31-2017

AUTHORITY TO CONSTRUCT granted to:
Tahoe Asphalt, Inc.
P.O. Box 95
Alamo, CA 94507

EQUIPMENT LOCATION:
Tahoe Asphalt, Inc.
1104 Industrial Avenue
South Lake Tahoe

This Authority to Construct is for the equipment described below, as shown on the approved plans and specifications, and subject to the conditions listed.

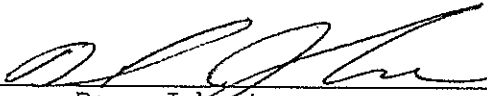
Hot Mix Asphalt Drum Mix Plant

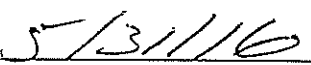
Description	Manufacturer	Model	Rating
Asphalt Concrete Plant	Powerstar	SJPO/G1580F-011-06-12-0-00	250 tons/hr maximum
Burner	Hauck Powerstar Low NOx	SJPO/G1580F	120 MMBtu/Hr (max. rating) 67 MMBtu/Hr (maximum achievable with NG @ 10 psi)
Baghouse	Standard Havens	Magnum 16.5	51,840 ACFM
Cyclone	Madsen	N/A	60,000 ACFM

The annual fees for this permit cover thirty (30) hours of staff time; any additional hours required will be billed at the approved District rate.

This Authority to Construct does not authorize emissions of air contaminants in excess of limits allowed by federal, state, or district rules and regulations. Air Quality Management District Rules are available at the District Office and www.arb.ca.gov/drdb/ed/cur.htm.

BY


Dave Johnston
AIR POLLUTION CONTROL OFFICER


ISSUE DATE

THANK YOU FOR WORKING WITH US TO IMPROVE AIR QUALITY.

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TAHOE ASPHALT INC.
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Hot Mix Asphalt Drum Mix Plant Equipment Description

Powerstar Asphalt Concrete Plant (Model: SJPO/G1580F-011-06-12-0-00,
Serial Number: 913466)

- A. Bins (4), Aggregate Storage, 13' x 10' x 14' High
- B. Feeders (4), Aggregate, 24" x 8', 12 HP Total (3 HP each)
- C. Conveyor, Aggregate, 30" x 90', 15 HP
- D. Conveyor, Aggregate, 30" x 70', 20 HP
- E. Drum-Mixer with "Rap Tube", 9' Dia x 49' L, 200 HP
- F. Burner, Hauck SJPO/G1580 Powerstar (Low NOx), Rated at 120 MMBtu/Hr
(Actual maximum capacity will be 65 MMBtu/Hr due to limited gas supply.)
- G. Blower, 7,900 SCFM, 100 HP
- H. Hot Oil Circulation Pump, 2 HP
- I. Asphalt Plum, 7.5 HP
- J. Elevator, Bucket, Hot Asphalt, 40 HP
- K. Conveyor, Slat, Hot Asphalt, 3' x 35', 30 HP
- L. Conveyor, Slat, Hot Asphalt, 3' x 12', 25 HP
- M. Compressor, Air, 10 HP
- N. Silos (3), Hot Asphalt Storage, 11' dia x 35' H, 100 Tons Capacity,
vented to mixer burner
- O. Conveyor, Slinger, 7.5 HP
- P. Recycle Bin, 13' x 10' x 14' H, 24" x 8', 3 HP
- Q. Scalping Screen, 4' x 10', 5 HP
- R. Scalping Screen, 3' x 5', 2 HP
- S. Recycle Conveyor, 24" x 100', 10 HP
- T. Recycle Conveyor, 24" x 10', 5 HP
- U. Recycle Auger, 20 HP
- V. Conveyor, Reject, 24" x 12', 5 HP
- W. Conveyor, Reject, 24" x 75', 15 HP
- X. Storage Silos Exhaust Recovery System Equipped with 3,000 CFM fan (5
HP)
- Y. APC Baghouse, Magnum size 16.5, pulse jet type, 8,640 sq. ft. cloth
filter area consisting of dust screw (5 HP), Fan (2 x 125 HP) and
Madsen 60,000 ACFM Cyclone
- Z. Liquid Asphalt Storage Tank with Heater, 30,000 Gal. Skid mounted
tank. Heatec Hot Oil Heater Model HCS 230 (2.3 MMBtu/Hr - expected
to operate at a maximum of 2 MMBH) SN: H-85-105

All applicant proposals are conditions of approval unless otherwise specified herein.

AUTHORITY TO CONSTRUCT CONDITIONS

- AC1. **PERMIT TO OPERATE REQUIRED:** The equipment shall not commence operation until the Air Pollution Control Officer takes final action to approve a Permit to Operate (PO). This action may include inspection, observation of compliance with opacity limitations or other testing as required to ensure compliance with District Rules and Regulations. (Rule 501, General Permit Requirements section 501.3.A)
- AC2. **NUISANCE:** There shall not be discharged from any source whatsoever

THIS IS NOT A PERMIT TO OPERATE

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such quantities of air contaminants or other material which cause injury, detriment, nuisance or annoyance to any considerable number of persons, or to the public, or which endanger the comfort, repose, health or safety of any such persons, or the public, or which cause to have a natural tendency to cause injury or damage to business or property. (Rule 205, Nuisance)

- AC3. **INITIAL STARTUP DATE:** The District shall be notified of the anticipated date of initial startup no less than 30 days prior to the startup date. (Rule 501, General Permit Requirements section 501.3.A.3)
- AC4. **ACTUAL STARTUP DATE:** The District shall be notified of the actual date of initial startup within 5 days after such date. (Rule 501, General Permit Requirements section 501.3.A.4)
- AC5. **RECORDS:** A log shall be maintained detailing the date and time of start-up, shutdown and total operating hours. (Rule 501, General Permit Requirements section 501.5.C.1)

END OF AUTHORITY TO CONSTRUCT CONDITIONS

**RECOMMENDED PERMIT TO OPERATE CONDITIONS
(This is NOT a Permit to Operate)**

All applicant proposals are conditions of approval unless otherwise specified herein.

GENERAL CONDITIONS

- 1. If any permit condition is found invalid, such finding shall not affect the remaining permit conditions.
- 2. **PERMIT ACCEPTANCE:** Permit acceptance is deemed acceptance of all conditions specified herein and acceptance of the El Dorado County Air Quality Management District (District) Rules and Regulations.
- 3. **OPERATION:** Equipment operation must be conducted in compliance with all data and specifications submitted with the application under which this permit was issued. (Rule 501, General Permit Requirements §501.4.E)
- 4. **PERMIT AMENDMENT:** The District reserves the right to amend this permit, upon annual renewal, in order to insure facility compliance with District Rules and Regulations. (Rule 501, General Permit Requirements §501.3.F)
- 5. **CHANGE OF OWNERSHIP:** The District must be notified prior to change of ownership, building, erecting, altering or replacing any article, machine, equipment or other contrivance, the use of which may cause, eliminate, reduce, or control the issuance of air contaminants.

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(Rule 501, General Permit Requirements §501.3)

6. **UPSET/BREAKDOWN:** The District must be notified of any upset or breakdown. (Rule 516, Upset Breakdown Conditions)
7. **ADDITIONAL SOURCES:** The District must be notified prior to the addition, altering or replacement of any equipment or other contrivance, the use of which may cause, eliminate, reduce, or control the issuance of air contaminants. (Rule 501; General Permit Requirements §501.3.A)
8. **NUISANCE:** A person shall not discharge from any source quantities of air contaminants or other material which cause injury, detriment, nuisance or annoyance to any considerable number of persons, or to the public, or which endanger the comfort, repose, health or safety of any such persons, or the public, or which cause to have a natural tendency to cause injury or damage to business or property. (Rule 205, Nuisance)
9. **RIGHT OF ENTRY:** To enforce or administer any State or local law, order, regulation, or rule relating to air pollution, the Air Pollution Control Officer and his duly authorized agents shall have the right of entry to any premises on which an air pollution emission source is located for the purpose of inspecting such source, including securing samples of emissions there from or any records required to be maintained therewith by the District. The Air Pollution Control Officer or his duly authorized agent shall have the right to inspect sampling and monitoring apparatus as deemed necessary. (Rule 509, Authority to Inspect)
10. **PERMIT ON PREMISES:** The owner or operator shall maintain a legible copy of said permit on the premises of the subject equipment. (Rule 501, General Permit Requirements §501.4.A)

**RECOMMENDED PERMIT TO OPERATE CONDITIONS
(This is NOT a Permit to Operate)**

OPERATING CONDITIONS

11. **ASPHALT PRODUCTION:** Asphalt production shall not exceed a maximum of 250 tons per hour, 3000 tons per day, or 90,000 tons per year.
12. **BAGHOUSE AND CYCLONE OPERATION:** The air pollution control equipment shall operate whenever the asphalt plant is in operation.
13. **BAGHOUSE SPARES:** The owner or operator shall maintain, at all times, a 25% supply of baghouse filters and immediately reorder upon usage of this stock. (Rule 501, General Permit Requirements section 501.4.E)
14. **BAGHOUSE MAINTENANCE:** The baghouse and upstream components including the ductwork shall be visually inspected every morning of each day

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TESTING REQUIREMENTS

24. **SOURCE TESTING:** Upon the written request of the Air Pollution Control Officer periodic emissions testing shall be conducted to demonstrate compliance with emission limits and District Rules. (Rule 501, General Permit Requirements section 501.3.G)

RECORD KEEPING AND REPORTING

25. **BAGHOUSE FILTER REPLACEMENTS:** Filter replacements shall be recorded for each replacement including the date and number of filters replaced. Records of the visual inspections of the baghouse and upstream components including date and findings shall be maintained. Records shall be retained for no less than 5 years, and shall be made available to District personnel upon request. (Rule 501, General Permit Requirements section 501.5.C.1)
26. **PRODUCTION RECORDS:** Production records shall be maintained and retained for no less than 5 years, and shall be made available to District personnel upon request. (Rule 501, General Permit Requirements section 501.5.C.1)

END OF CONDITIONS

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the plant operates. Ineffective, leaking or clogged filters must be replaced prior to operating the baghouse. Leaks found in the baghouses upstream components shall be repaired within five (5) business days.

15. **HOT OIL HEATER:** The hot oil heater operating temperature shall not exceed 450°F.
16. **AGGREGATE DRIER:** The aggregate drier operating temperature shall not exceed 520°F.
17. **CONTAMINATED SOILS:** Use of contaminated soils in the asphalt production process shall be limited to 20 cubic yards per year, or 40 tons per year of petroleum-contaminated soils that result from on-site spills only.
18. **REMEDiated SOILS:** Contaminated soils originating from off-site shall not be processed on the premises.
19. **CONTROL OF BLUE SMOKE:** The hot asphalt storage silos shall be vented to the mixer burner air inlet at all times for control of blue smoke from the silos.

EMISSION LIMITATIONS

20. **VISIBLE EMISSIONS:** No source of emissions shall be as dark or darker in shade as that designated as No. 1 (20% Opacity) on the Ringelmann Chart for a period or periods aggregating more than three (3) minutes in any one hour. (Rule 202, Visible Emissions section 202.A)
21. **FINE MATERIAL MANAGEMENT:** The emissions of fugitive dust shall not remain visible or exceed 0% opacity in the atmosphere beyond the boundary line of the emission source as determined in accordance with US EPA Method 9. (Rule 223, Fugitive Dust section 223.4.A)
22. **CONCENTRATION LIMIT:** A person shall not cause or allow PM10 levels to exceed 50 micrograms per cubic meter, 24-hour average, when determined by simultaneous sampling, as the difference between upwind and downwind samples collected on high-volume particulate matter samplers or other U.S. EPA approved equivalent methods for PM10 monitoring. (Rule 223, Fugitive Dust section 223.4.B)
23. **EMISSION LIMITS:** The emissions from the asphalt plant shall not exceed the following:

Pollutant	Pounds/Day	Pounds/Quarter	Pounds/Year
CO	398	5968	11,935
NOx	66	990	1980
SOx	11	153	306
VOC	50	745	1489
PM10	73	1085	2170

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